

CHARGED-PARTICLE BEAM APPARATUS EQUIPPED WITH ABERRATION CORRECTOR

ABSTRACT OF THE DISCLOSURE

A charged-particle beam instrument with an aberration corrector which comprises four stages of electrostatic quadrupole elements, two stages of magnetic quadrupole elements for superimposing a magnetic potential distribution analogous to the electric potential distribution created by the two central quadrupole elements of the four stages of electrostatic quadrupole elements on this electric potential distribution, and four stages of electrostatic octopole elements for superimposing an electric octopole potential on the electric potential distribution created by the four stages of electrostatic quadrupole elements.